

Serial No. 10/070,084  
 Docket No. PU3517USw  
 Reply to Office Action of October 23, 2006

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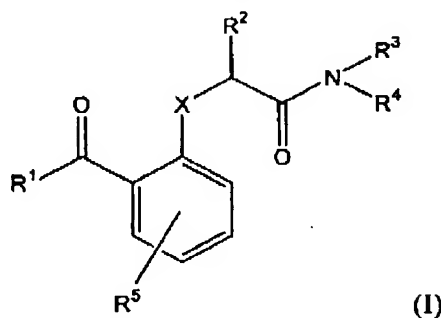
### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

Claim 1 (Cancelled)

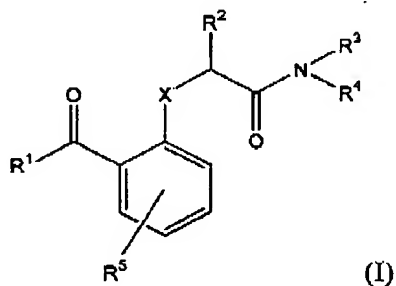
Claim 2 (Previously Presented) A compound of formula (I)



wherein X is O; R<sup>1</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, -CN, -SR<sup>6</sup>, -S(O)<sub>2</sub>R<sup>6</sup>; or heterocycle, optionally substituted with one or more substituents selected from the group consisting of C<sub>1-8</sub>alkyl, -CN, and C<sub>6-14</sub>arylC<sub>1-8</sub>alkyl; R<sup>6</sup> is C<sub>1-8</sub>alkyl, optionally substituted with halogen; R<sup>7</sup> is C<sub>1-8</sub>alkyl optionally substituted with hydroxy; -NH<sub>2</sub>; or heterocycle; R<sup>2</sup> is hydrogen; R<sup>3</sup> is hydrogen or C<sub>1-8</sub>alkyl; R<sup>4</sup> is heterocycle, optionally substituted with one or more substituents selected from the group consisting of oxo, halogen, C<sub>1-8</sub>alkyl, -OR<sup>11</sup> and -SR<sup>10</sup>N(R<sup>10</sup>)<sub>2</sub>, S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>; or C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of hydroxy, halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, hydroxyC<sub>1-8</sub>alkyl, -CN, -NO<sub>2</sub>, -C(O)NH<sub>2</sub>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -OR<sup>11</sup>, -C(O)NR<sup>11</sup>, -C(O)OR<sup>11</sup>, -NR<sup>11</sup>, -NC(O)R<sup>11</sup>, and heterocycle which may be optionally substituted with one or more substituents selected from the group consisting of oxo, C<sub>1-8</sub>alkyl and heterocycleC<sub>1-8</sub>alkyl; R<sup>8</sup> and R<sup>9</sup> are the same or different and are selected from the group consisting of hydrogen, C<sub>1-8</sub>alkyl, C<sub>1-8</sub>alkylheterocycle, heterocycle, and C<sub>3-6</sub>cycloalkyl; R<sup>10</sup> is C<sub>1-8</sub>alkyl; R<sup>11</sup> is C<sub>1-8</sub>alkyl, optionally substituted with -SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>; and R<sup>5</sup> is halogen or -NO<sub>2</sub>; or a pharmaceutically acceptable salt thereof.

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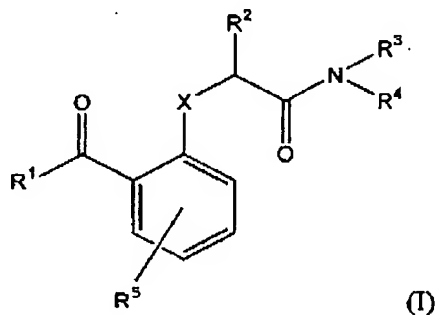
Claim 3 (Previously Presented) A compound of formula (I)



wherein X is O; R<sup>1</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, and -CN; R<sup>2</sup> and R<sup>3</sup> are hydrogen; R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, C<sub>1-8</sub>alkyl, -CN, -NO<sub>2</sub>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -NS(O)<sub>2</sub>R<sup>7</sup>, wherein R<sup>7</sup> is -NH<sub>2</sub>; and R<sup>5</sup> is halogen; or a pharmaceutically acceptable salt thereof.

Claim 4 (Cancelled)

Claim 5 (Previously Presented) A compound of formula (I)

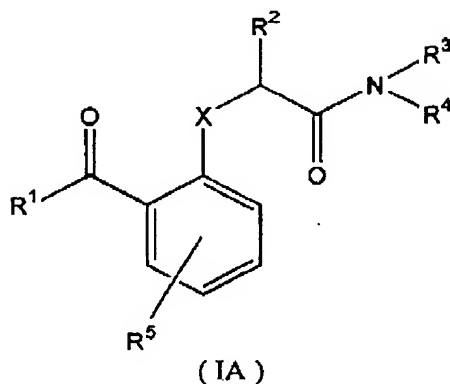


wherein X is O, R<sup>1</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, and -CN; R<sup>2</sup> and R<sup>3</sup> are hydrogen; R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, C<sub>1</sub>

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alkyl, -CN, -NO<sub>2</sub>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -NS(O)<sub>2</sub>R<sup>7</sup>, wherein R<sup>7</sup> is -NH<sub>2</sub>; and R<sup>5</sup> is halogen; or a pharmaceutically acceptable salt thereof.

Claim 6 (Currently Amended) A compound of formula (IA)



wherein:

X is O;

R<sup>1</sup> is C<sub>6-14</sub>aryl which may be optionally substituted with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, C<sub>1-8</sub>alkylamino, alkoxy, C<sub>3-6</sub>cycloalkyl, C<sub>2-6</sub>alkenyl, C<sub>6-14</sub>arylC<sub>2-6</sub>alkenyl, -CN, -NO<sub>2</sub>, -NH<sub>2</sub>, -SR<sup>6</sup>, -S(O)<sub>2</sub>R<sup>6</sup>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, C<sub>2-6</sub>alkenyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, and heterocycle and C<sub>2-6</sub>alkynyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, C<sub>3-6</sub>cycloalkyl, and heterocycle;

R<sup>6</sup> is C<sub>1-8</sub>alkyl optionally substituted with one or more substituents selected from the group consisting of hydroxyl, halogen, -CF<sub>3</sub>, aryl, and heterocycle;

R<sup>7</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydroxy, halogen, aryl, C<sub>3-6</sub>cycloalkyl and heterocycle; -NH<sub>2</sub>; or heterocycle;

R<sup>2</sup> is hydrogen, halogen, or C<sub>1-8</sub>alkyl;

R<sup>3</sup> is hydrogen;

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$R^4$  is  $C_{6-14}$ aryl substituted with  $C_{1-8}$ alkyl and at least one of ~~one or more substituents selected from the group consisting of~~ hydroxy, halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl, hydroxy $C_{1-8}$ alkyl,  $-CN$ ,  $-NO_2$ ,  $C_{1-8}$ alkylamino, heterocycle $C_{1-8}$ alkyl,  $-C(O)NH_2$ ,  $-S(O)R^7$ ,  $-S(O)_2R^7$ ,  $-C(O)R^7$ ,  $-NS(O)_2R^7$ ,  $-S(O)_2NR^8R^9$ ,  $-S(O)_2NHR^{11}$ ,  $-S(O)_2R^{11}$ ,  $-S(O)_2NR^7COR^{11}$ ,  $-S(O)_2NHCOR^{11}$ ,  $-S(O)_2[COR^{11}]_n$ , wherein  $n$  is 1,  $-OR^{11}$ ,  $-OR^{11}OR^{11}$ ,  $-C(O)R^{11}$ ,  $-C(O)NR^{11}$ ,  $-C(O)OR^{11}$ ,  $-NR^{11}$ ,  $-NC(O)R^{11}$ , heterocycle $C_{2-6}$ alkenyl, heterocycle which may be optionally substituted with one or more substituents selected from the group consisting of oxo,  $C_{1-8}$ alkyl, and  $C(O)OR^{11}$ , and  $C_{1-8}$ alkyl which may be optionally substituted with one or more substituents selected from the group consisting of  $-CN$  and heterocycle, optionally substituted with  $-C(O)R^{11}$ ;

$R^8$  and  $R^9$  are independently selected from the group consisting of hydrogen,  $C_{3-6}$ cycloalkyl,  $C_{1-8}$ alkyl optionally substituted with one or more substituents selected from the group consisting of oxo, heterocycle,  $CN$  and  $C_{6-14}$ aryl optionally substituted with alkoxy,  $C_{1-8}$ alkylamino,  $C_{1-8}$ alkylheterocycle, heterocycle, heterocycle $C_{1-8}$ alkyl,  $C_{3-6}$ cycloalkyl $C_{1-8}$ alkyl, and  $C_{3-6}$ cycloalkyl;

$R^{11}$  is  $C_{1-8}$ alkyl, optionally substituted with one or more substituents selected from the group consisting of hydrogen, hydroxy, halogen,  $C_{1-8}$ alkyl,  $C_{3-6}$ cycloalkyl, alkoxy,  $-S(O)_2NR^8R^9$ ,  $NCONH_2$ , and heterocycle optionally substituted with one or more substituents selected from the group consisting of oxo, hydroxy, and  $C_{1-8}$ alkyl; heterocycle optionally substituted with heterocycle $C_{1-8}$ alkyl; or  $C_{6-14}$ aryl optionally substituted with alkoxy;

$R^5$  is hydrogen, halogen,  $C_{1-8}$ alkyl,  $-NO_2$ ,  $-NH_2$ ,  $C_{1-8}$ alkylamino,  $CF_3$ , or alkoxy;  
or a pharmaceutically acceptable salt thereof.

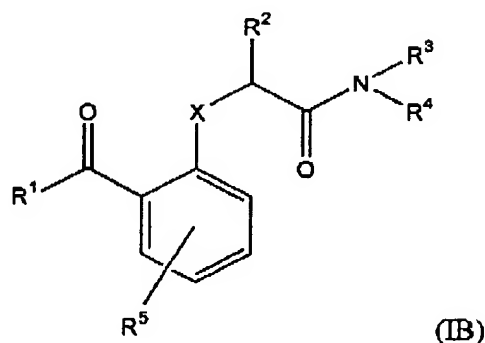
Claim 7 (Currently Amended) A compound of formula (IA) according to claim 6 wherein  $X$  is  $O$ ;  $R^1$  is  $C_{6-14}$ aryl substituted with one or more substituents selected from the group consisting of halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl,  $-CN$ ,  $C_{2-6}$ alkenyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, and heterocycle and  $C_{2-6}$ alkynyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl,  $C_{3-6}$ cycloalkyl, and heterocycle;  $R^2$  and  $R^3$  are hydrogen;  $R^4$  is  $C_{6-14}$ aryl substituted with  $C_{1-8}$ alkyl and at least one of ~~one or more substituents selected from the group consisting of~~  $C_{1-8}$ alkyl,  $-S(O)_2R^7$ ,  $-S(O)_2NR^8R^9$ ,  $-OR^{11}$ , heterocycle $C_{2-6}$ alkenyl, and heterocycle

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which may be optionally substituted with oxo; and  $R^5$  is halogen; or a pharmaceutically acceptable salt thereof.

Claim 8 (Cancelled)

Claim 9 (Previously Presented) A compound of formula (IB)



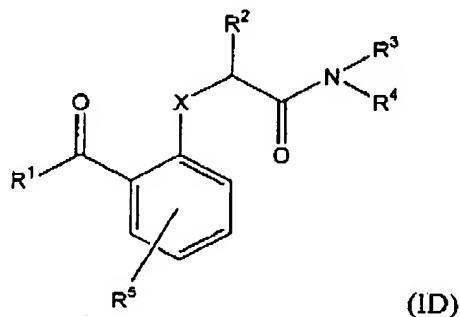
wherein X is O;  $R^1$  is  $C_{6-14}$ aryl substituted with one or more substituents selected from the group consisting of halogen,  $-CF_3$ , and  $-CN$ ;  $R^2$  is hydrogen;  $R^3$  is hydrogen;  $R^4$  is heterocycle; and  $R^5$  is halogen; or a pharmaceutically acceptable salt thereof.

Claim 10 (Cancelled)

Claim 11 (Cancelled)

Claim 12 (Cancelled)

Claim 13 (Previously Presented) A compound of formula (ID)



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wherein X is O;  $R^1$  is heterocycle;  $R^2$  and  $R^3$  are hydrogen;  $R^4$  is heterocycle; and  $R^5$  is halogen; or a pharmaceutically acceptable salt thereof.

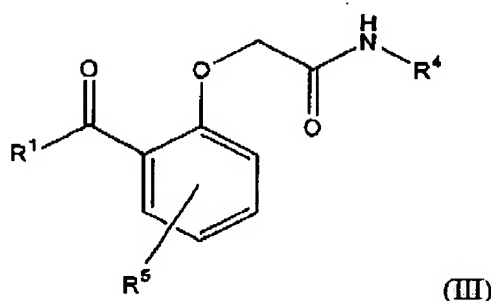
Claim 14 (Cancelled)

Claim 15 (Cancelled)

Claim 16 (Cancelled)

Claim 17 (Cancelled)

Claim 18 (Previously Presented) A compound of formula (III)



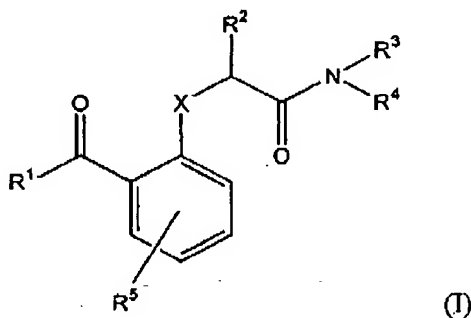
wherein  $R^1$  is  $C_{6-14}$ aryl substituted with one or more substituents selected from the group consisting of halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl,  $-CN$ ,  $-SR^6$ ,  $-S(O)_2R^6$ ; or heterocycle, optionally substituted with one or more substituents selected from the group consisting of  $C_{1-8}$ alkyl,  $-CN$ , and  $C_{6-14}$ aryl $C_{1-8}$ alkyl;  $R^6$  is  $C_{1-8}$ alkyl, optionally substituted with halogen;  $R^7$  is  $C_{1-8}$ alkyl, optionally substituted with hydroxy;  $-NH_2$ ; or heterocycle;  $R^4$  is heterocycle, optionally substituted with one or more substituents selected from the group consisting of oxo, halogen,  $C_{1-8}$ alkyl,  $-OR^{11}$  and  $-SR^{10}N(R^{10})_2$ ; or  $C_{6-14}$ aryl substituted with one or more substituents selected from the group consisting of hydroxy,  $-CF_3$ ,  $C_{1-8}$ alkyl, hydroxy $C_{1-8}$ alkyl,  $-CN$ ,  $-NO_2$ ,  $-C(O)NH_2$ ,  $-S(O)_2R^7$ ,  $-S(O)_2NR^8R^9$ ,  $-OR^{11}$ ,  $-C(O)NR^{11}$ ,  $-C(O)OR^{11}$ ,  $-NR^{11}$ ,  $-NC(O)R^{11}$ , heterocycle which may be optionally substituted with one or more substituents selected from the group consisting of oxo and  $C_{1-8}$ alkyl;  $R^8$  and  $R^9$  are the same or different and are selected from the group consisting of hydrogen,  $C_{1-8}$ alkyl,  $C_{1-8}$ alkylheterocycle, heterocycle, and  $C_{3-6}$ cycloalkyl;  $R^{10}$  is  $C_{1-8}$ alkyl;  $R^{11}$  is

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C<sub>1-8</sub>alkyl, optionally substituted with -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>; and R<sup>5</sup> is halogen or -NO<sub>2</sub>, or a pharmaceutically acceptable salt thereof.

Claim 19 (Previously Presented) A compound of formula (III) according to claim 18 wherein R<sup>1</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, and -CN; R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with one or more substituents selected from the group consisting of halogen, C<sub>1-8</sub>alkyl, -CN, -NO<sub>2</sub>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -NS(O)<sub>2</sub>R<sup>7</sup>, wherein R<sup>7</sup> is -NH<sub>2</sub>; and R<sup>5</sup> is halogen; or a pharmaceutically acceptable salt thereof.

Claim 20 (Previously Presented) A compound of formula (I)



wherein:

X is O;

R<sup>1</sup> is phenyl which is substituted in the *meta* position with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, C<sub>1-8</sub>alkylamino, alkoxy, C<sub>3-6</sub>cycloalkylC<sub>2-6</sub>alkenyl, C<sub>6-14</sub>arylC<sub>2-6</sub>alkenyl, -CN, -NO<sub>2</sub>, -NH<sub>2</sub>, -SR<sup>6</sup>, -S(O)<sub>2</sub>R<sup>6</sup>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, C<sub>2-6</sub>alkenyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, and heterocycle, and C<sub>2-6</sub>alkynyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, C<sub>3-6</sub>cycloalkyl, and heterocycle;

R<sup>2</sup> is hydrogen;

R<sup>3</sup> is hydrogen;

R<sup>4</sup> is phenyl substituted in the *ortho* position with a substituent selected from the group consisting of hydroxy, halogen, -CF<sub>3</sub>, or C<sub>1-8</sub>alkyl and substituted at the *para* position with a substituent selected from the group consisting of hydroxy, halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl,

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hydroxyC<sub>1-8</sub>alkyl, -CN, -NO<sub>2</sub>, C<sub>1-8</sub>alkylamino, heterocycleC<sub>1-8</sub>alkyl, -C(O)NH<sub>2</sub>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -C(O)R<sup>7</sup>, -NS(O)<sub>2</sub>R<sup>7</sup>, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -S(O)<sub>2</sub>NHR<sup>11</sup>, -SO<sub>2</sub>R<sup>11</sup>, -OR<sup>11</sup>, -C(O)R<sup>11</sup>, -C(O)NR<sup>11</sup>, -C(O)OR<sup>11</sup>, -NR<sup>11</sup>, -NC(O)R<sup>11</sup>, heterocycleC<sub>2-6</sub>alkenyl, heterocycle which may be optionally substituted with one or more substituents selected from the group consisting of oxo, C<sub>1-8</sub>alkyl, and C(O)OR<sup>11</sup>, and C<sub>1-8</sub>alkyl which may be optionally substituted with one or more substituents selected from the group consisting of -CN and heterocycle, optionally substituted with -C(O)R<sup>11</sup>;

R<sup>5</sup> is a substituent in the *para* position relative to X and is selected from the group consisting of halogen, C<sub>1-8</sub>alkyl, -NO<sub>2</sub>, -NH<sub>2</sub>, C<sub>1-8</sub>alkylamino, CF<sub>3</sub>, or alkoxy;

R<sup>6</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydroxy, halogen, -CF<sub>3</sub>, aryl, and heterocycle;

R<sup>7</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydroxy, halogen, aryl, C<sub>3-6</sub>cycloalkyl and heterocycle; -NH<sub>2</sub>; or heterocycle;

R<sup>8</sup> and R<sup>9</sup> are independently selected from the group consisting of hydrogen; C<sub>3-6</sub>cycloalkyl; C<sub>1-8</sub>alkyl optionally substituted with one or more substituents selected from the group consisting of oxo, heterocycle, CN and C<sub>6-14</sub>aryl optionally substituted with alkoxy, -C<sub>1-8</sub>alkylamino, C<sub>1-8</sub>alkylheterocycle, heterocycle, heterocycleC<sub>1-8</sub>alkyl, C<sub>3-6</sub>cycloalkylC<sub>1-8</sub>alkyl, and C<sub>3-6</sub>cycloalkyl; or -C(O)NH<sub>2</sub>;

R<sup>11</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydrogen, C<sub>1-8</sub>alkyl, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -NR<sup>8</sup>R<sup>9</sup>, and heterocycle, optionally substituted with one or more substituents selected from the group consisting of oxo and C<sub>1-8</sub>alkyl; or a pharmaceutically acceptable salt thereof.

Claim 21 (Cancelled)

Claim 22 (Cancelled)

Claim 23 (Previously Presented) A compound selected from the group consisting of:

2-[2-(1-benzothiophen-2-ylcarbonyl)-4-chlorophenoxy]-N-phenylacetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(1H-imidazol-1-yl)phenyl]acetamide;



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2-[4-chloro-2-(2-thienylcarbonyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(1H-1,2,4-triazol-1-yl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(4-morpholinyl)phenyl]acetamide;

N-[4-(aminosulfonyl)phenyl]-2-(2-benzoyl-4-chlorophenoxy)acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-{4-[(1,3-thiazol-2-ylamino)sulfonyl]phenyl}acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(4-methyl-1-piperazinyl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(hydroxymethyl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-{4-[(methylamino)sulfonyl]phenyl}acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(1,1-dioxo-1lambda~6~,4-thiazinan-4-yl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[2-methyl-4-(4-morpholinyl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-{4-[3-(dimethylamino)propoxy]-2-methylphenyl}acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(1-hydroxyethyl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[4-(1-hydroxyethyl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-{2-methyl-4-[3-(1-pyrrolidinyl)propoxy]phenyl}acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-(1H-indazol-5-yl)acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-{2-methyl-4-[3-(4-morpholinyl)propoxy]phenyl}acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-{4-[3-(1H-imidazol-1-yl)propoxy]-2-methylphenyl}acetamide;

2-(2-benzoyl-4-chlorophenoxy)-N-(1H-indazol-6-yl)acetamide;

2-[4-chloro-2-(2-thienylcarbonyl)phenoxy]-N-(1H-indazol-5-yl)acetamide;

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2-[4-chloro-2-(2-furoyl)phenoxy]-N-(1H-indazol-5-yl)acetamide;  
2-[4-chloro-2-(3-thienylcarbonyl)phenoxy]-N-(1H-indazol-5-yl)acetamide;  
2-[4-chloro-2-(2-thienylcarbonyl)phenoxy]-N-{2-methyl-4-[3-(4-morpholinyl)propoxy]phenyl}acetamide;  
2-[4-chloro-2-(2-thienylcarbonyl)phenoxy]-N-[4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;  
2-(2-benzoyl-4-chlorophenoxy)-N-{2-methyl-4-[3-(1-oxo-1lambda~4~,4-thiazinan-4-yl)propoxy]phenyl}acetamide;  
2-[4-chloro-2-(2-furoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;  
N-[4-(aminosulfonyl)-2-methylphenyl]-2-(2-benzoyl-4-chlorophenoxy)acetamide;  
N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(2-thienylcarbonyl)phenoxy]acetamide;  
2-[2-(1-benzofuran-2-ylcarbonyl)-4-chlorophenoxy]-N-phenylacetamide  
2-[4-chloro-2-(1,3-thiazol-2-ylcarbonyl)phenoxy]-N-phenylacetamide;  
N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(2-furoyl)phenoxy]acetamide;  
2-[4-chloro-2-(2-furoyl)phenoxy]-N-(1H-indazol-6-yl)acetamide;  
2-[4-chloro-2-(3-furoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;  
2-[4-chloro-2-(3-thienylcarbonyl)phenoxy]-N-[4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;  
2-[4-chloro-2-(3-thienylcarbonyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;  
2-{4-chloro-2-[(1-methyl-1H-pyrrol-2-yl)carbonyl]phenoxy}-N-phenylacetamide;  
2-(4-chloro-2-{[5-(2-pyridinyl)-2-thienyl]carbonyl}phenoxy)-N-phenylacetamide;  
2-[4-chloro-2-(1,3-thiazol-2-ylcarbonyl)phenoxy]-N-(1H-indazol-5-yl)acetamide;  
2-[4-chloro-2-(1,3-thiazol-2-ylcarbonyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

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2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[4-chloro-2-(3-pyridinylcarbonyl)phenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[2-(2-bromobenzoyl)-4-chlorophenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[2-(4-bromobenzoyl)-4-chlorophenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[2-(2-bromobenzoyl)-4-chlorophenoxy]acetamide;

2-{4-chloro-2-[(5-methyl-3-isoxazolyl)carbonyl]phenoxy}-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[4-chloro-2-(3-fluorobenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[4-chloro-2-(3-chlorobenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-fluorobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-chlorobenzoyl)phenoxy]acetamide;

2-{4-chloro-2-[(4-cyano-2-thienyl)carbonyl]phenoxy}-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[(4-cyano-2-thienyl)carbonyl]phenoxy}acetamide;

2-{4-chloro-2-[3-(trifluoromethyl)benzoyl]phenoxy}-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[2-(3-bromobenzoyl)-4-chlorophenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1 lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[2-(3-bromobenzoyl)-4-chlorophenoxy]acetamide;

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2-[4-chloro-2-(3-methylbenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]-N-(5-methyl-1H-indazol-6-yl)acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-pyridinylcarbonyl)phenoxy]acetamide;

2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]-N-{2-methyl-4-[3-(1-pyrrolidinyl)propoxy]phenyl}acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[(1-methyl-1H-imidazol-2-yl)carbonyl]phenoxy}acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(1,3-thiazol-2-ylcarbonyl)phenoxy]acetamide;

2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-{2-methyl-4-[3-(1-pyrrolidinyl)propoxy]phenyl}acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]acetamide;

2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide

N-(1,3-benzothiazol-6-yl)-2-(2-benzoyl-4-chlorophenoxy)acetamide

2-(4-chloro-2-{3-[(trifluoromethyl)sulfonyl]benzoyl}phenoxy)-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide

2-[4-chloro-2-(3-ethynylbenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

2-[4-chloro-2-(3,5-dichlorobenzoyl)phenoxy]-N-[2-methyl-4-(1-oxo-1lambda~4~,4-thiazinan-4-yl)phenyl]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dichlorobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}acetamide;

N-(1,3-benzothiazol-6-yl)-2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]acetamide

2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]-N-(2-methyl-1,3-benzothiazol-5-yl)acetamide

N-[4-(aminosulfonyl)-2-methylphenyl]-2-(4-chloro-2-{3-[(trifluoromethyl)sulfonyl]benzoyl}phenoxy)acetamide;

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N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-ethynylbenzoyl)phenoxy]acetamide;  
2-(2-benzoyl-4-chlorophenoxy)-N-[4-(methylsulfonyl)phenyl]acetamide;  
N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[3-(2-cyclopentylethynyl)benzoyl]phenoxy}acetamide;  
2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-(5-methyl-1H-indazol-6-yl)acetamide;  
2-[4-chloro-2-(3,5-dichlorobenzoyl)phenoxy]-N-(5-methyl-1H-indazol-6-yl)acetamide;  
N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[3-(2-phenylethynyl)benzoyl]phenoxy}acetamide;  
2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-(5-methyl-1H-indazol-6-yl)acetamide;  
2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-[2-methyl-4-(methylsulfonyl)phenyl]acetamide;  
N-(1,2-benzisothiazol-5-yl)-2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]acetamide;  
2-[4-chloro-2-(3,5-dichlorobenzoyl)phenoxy]-N-(5-methyl-1H-benzimidazol-6-yl)acetamide;  
2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-(5-methyl-1H-benzimidazol-6-yl)acetamide;  
2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-(5-methyl-1H-benzimidazol-6-yl)acetamide  
2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-1-(2,3-dihydro-1H-indol-1-yl)-1-ethanone;  
2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]-N-[2-methyl-4-(methylsulfonyl)phenyl]acetamide;  
2-[4-chloro-2-(3-ethynylbenzoyl)phenoxy]-N-[2-methyl-4-(methylsulfonyl)phenyl]acetamide;  
N-{4-[3-(aminosulfonyl)propoxy]-2-methylphenyl}-2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]acetamide;  
2-{2-[3,5-bis(trifluoromethyl)benzoyl]-4-chlorophenoxy}-N-(5-methyl-1H-benzimidazol-6-yl)acetamide;  
2-{2-[(5-bromo-3-pyridinyl)carbonyl]-4-chlorophenoxy}-N-(5-methyl-1H-benzimidazol-6-yl)acetamide;  
2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-(6-methyl-1,3-benzothiazol-5-yl)acetamide;

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N-{4-[3-(aminosulfonyl)propoxy]-2-methylphenyl}-2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-(4-chloro-2-{3-[(trifluoromethyl)sulfonyl]benzoyl}phenoxy)acetamide;

2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-[4-(1,3-thiazol-2-yl)phenyl]acetamide

2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-[4-(1,3-oxazol-2-yl)phenyl]acetamide

2-[4-chloro-2-(3,5-difluorobenzoyl)phenoxy]-N-{4-[(3-hydroxypropyl)sulfonyl]-2-methylphenyl}acetamide;

2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-(2-methyl-4-{3-[(methylamino)sulfonyl]propoxy}phenyl)acetamide;

2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-(4-{3-[(dimethylamino)sulfonyl]propoxy}-2-methylphenyl)acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{2-[(5-bromo-3-pyridinyl)carbonyl]-4-chlorophenoxy}acetamide;

2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N={4-[3-(1H-imidazol-1-yl)propoxy]-2-methylphenyl}acetamide;

2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}-N-{2-methyl-4-[(E)-4-(1-pyrrolidinyl)-1-butenyl]phenyl}acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyano-5-fluorobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]acetamide;

N-[6-(aminosulfonyl)-4-methyl-3-pyridinyl]-2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-chloro-5-cyanobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dimethylbenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyano-5-ethylbenzoyl)phenoxy]acetamide;

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2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]-N-{4-[3-(2,5-dihydro-1H-pyrrol-1-yl)propoxy]-2-methylphenyl}acetamide hydrochloride;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-chloro-5-methylbenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dichlorobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[(6-cyano-2-pyridinyl)carbonyl]phenoxy}acetamide;

N-[6-(aminosulfonyl)-2-methyl-3-pyridinyl]-2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dicyanobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-[3-cyano-5-(trifluoromethyl)benzoyl]phenoxy}acetamide;

and pharmaceutically acceptable salts thereof.

Claim 24 (Cancelled)

Claim 25 (Previously Presented) A compound selected from the group consisting of:

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyanobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-{4-chloro-2-(3-fluoro-5-(trifluoromethyl)benzoyl)phenoxy}acetamide;

N-{4-[3-(aminosulfonyl)propoxy]-2-methylphenyl}-2-{4-chloro-2-[3-fluoro-5-(trifluoromethyl)benzoyl]phenoxy}acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyano-5-fluorobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]acetamide;

N-[6-(aminosulfonyl)-4-methyl-3-pyridinyl]-2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-chloro-5-cyanobenzoyl)phenoxy]acetamide;

N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dimethylbenzoyl)phenoxy]acetamide;

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*N*-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-cyano-5-ethylbenzoyl)phenoxy]acetamide;  
2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]-*N*-{4-[3-(2,5-dihydro-1*H*-pyrrol-1-yl)propoxy]-2-methylphenyl}acetamide hydrochloride;  
*N*-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3-chloro-5-methylbenzoyl)phenoxy]acetamide;  
*N*-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dichlorobenzoyl)phenoxy]acetamide;  
*N*-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-[(6-cyano-2-pyridinyl)carbonyl]phenoxy]acetamide;  
*N*-[6-(aminosulfonyl)-2-methyl-3-pyridinyl]-2-[4-chloro-2-(3-cyano-5-methylbenzoyl)phenoxy]acetamide;  
*N*-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(3,5-dicyanobenzoyl)phenoxy]acetamide;  
and pharmaceutically acceptable salts thereof.

Claim 26 (Cancelled)

Claim 27 (Cancelled)

Claim 28 (Previously Presented) A method of treatment of an HIV infection in a mammal comprising administering to said mammal an anti-HIV effective amount of a compound according to claim 2.

Claim 29 (Cancelled)

Claim 30 (Cancelled)

Claim 31 (Cancelled)

Claim 32 (Cancelled)

Claim 33 (Cancelled)

Claim 34 (Previously Presented) A pharmaceutical composition comprising an effective amount of a compound according to claim 2 together with a pharmaceutically acceptable carrier.

Claim 35 (Original) A pharmaceutical composition according to claim 34 in the form of a tablet or capsule.



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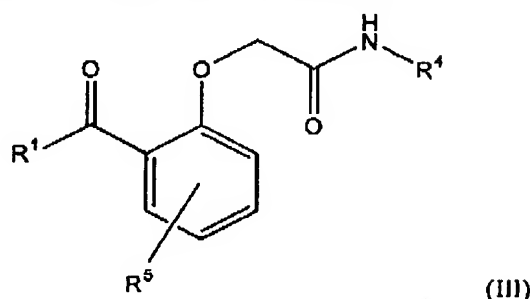
Claim 36 (Original) A pharmaceutical composition according to claim 34 in the form of a liquid.

Claim 37 (Cancelled)

Claim 38 (Cancelled)

Claim 39 (Cancelled)

Claim 40 (Previously Presented) A compound of formula (III)



wherein

$R^1$  is phenyl which is substituted in the *meta* position with one or more substituents selected from the group consisting of halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl,  $C_{1-8}$ alkylamino, alkoxy,  $C_{3-6}$ cycloalkyl,  $C_{2-6}$ alkenyl,  $C_{6-14}$ aryl,  $C_{2-6}$ alkenyl,  $-CN$ ,  $-NO_2$ ,  $-NH_2$ ,  $-SR^6$ ,  $-S(O)_2R^6$ ,  $-S(O)R^7$ ,  $-S(O)_2R^7$ ,  $-C(O)R^7$ ,  $C_{2-6}$ alkenyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, and heterocycle, and  $C_{2-6}$ alkynyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl,  $C_{3-6}$ cycloalkyl, and heterocycle;

$R^2$  is hydrogen;

$R^4$  is phenyl substituted in the *ortho* position with a substituent selected from the group consisting of hydroxy, halogen,  $-CF_3$ , or  $C_{1-8}$ alkyl and substituted at the *para* position with a substituent selected from the group consisting of hydroxy, halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl, hydroxy $C_{1-8}$ alkyl,  $-CN$ ,  $-NO_2$ ,  $C_{1-8}$ alkylamino, heterocycle $C_{1-8}$ alkyl,  $-C(O)NH_2$ ,  $-S(O)R^7$ ,  $-S(O)_2R^7$ ,  $-C(O)R^7$ ,  $-NS(O)_2R^7$ ,  $-S(O)_2NR^8R^9$ ,  $-S(O)_2NHR^{11}$ ,  $-SO_2R^{11}$ ,  $-OR^{11}$ ,  $-C(O)R^{11}$ ,  $-C(O)NR^{11}$ ,  $-C(O)OR^{11}$ ,  $-NR^{11}$ ,  $-NC(O)R^{11}$ , heterocycle $C_{2-6}$ alkenyl, heterocycle which may be optionally substituted with one or more substituents selected from the group consisting of oxo,  $C_{1-8}$ alkyl, and  $C(O)OR^{11}$ , and  $C_{1-8}$ alkyl which may be optionally substituted with one or

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more substituents selected from the group consisting of -CN and heterocycle, optionally substituted with -C(O)R<sup>11</sup>;

R<sup>5</sup> is a substituent in the *para* position relative to X and is selected from the group consisting of halogen, C<sub>1-8</sub>alkyl, -NO<sub>2</sub>, -NH<sub>2</sub>, C<sub>1-8</sub>alkylamino, CF<sub>3</sub>, or alkoxy;

R<sup>6</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydroxy, halogen, -CF<sub>3</sub>, aryl, and heterocycle;

R<sup>7</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydroxy, halogen, aryl, C<sub>3-6</sub>cycloalkyl and heterocycle; -NH<sub>2</sub>; or heterocycle;

R<sup>8</sup> and R<sup>9</sup> are independently selected from the group consisting of hydrogen; C<sub>3-6</sub>cycloalkyl; C<sub>1-8</sub>alkyl optionally substituted with one or more substituents selected from the group consisting of oxo, heterocycle, CN and C<sub>6-14</sub>aryl optionally substituted with alkoxy, C<sub>1-8</sub>alkylamino, C<sub>1-8</sub>alkylheterocycle, heterocycle, heterocycleC<sub>1-8</sub>alkyl, C<sub>3-6</sub>cycloalkylC<sub>1-8</sub>alkyl, and C<sub>3-6</sub>cycloalkyl; or -C(O)NH<sub>2</sub>;

R<sup>11</sup> is C<sub>1-8</sub>alkyl, optionally substituted with one or more substituents selected from the group consisting of hydrogen, C<sub>1-8</sub>alkyl, -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, -NR<sup>8</sup>R<sup>9</sup>, and heterocycle, optionally substituted with one or more substituents selected from the group consisting of oxo and C<sub>1-8</sub>alkyl; or a pharmaceutically acceptable salt thereof.

Claim 41 (Cancelled)

Claim 42 (Cancelled)

Claim 43 (Currently Amended) A compound according to claim 6 wherein R<sup>1</sup> is C<sub>6-14</sub> aryl substituted in the meta position with halogen and wherein R<sup>3</sup> is hydrogen and ~~R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with C<sub>1-8</sub>alkyl.~~

Claim 44 (Previously Presented) A compound according to claim 7 wherein R<sup>1</sup> is C<sub>6-14</sub> aryl substituted in the meta position with halogen and wherein R<sup>3</sup> is hydrogen and R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with C<sub>1-8</sub>alkyl.

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Claim 45 (Previously Presented) A compound according to claim 2 wherein R<sup>1</sup> is C<sub>6-14</sub> aryl substituted in the meta position with halogen and wherein R<sup>3</sup> is hydrogen and R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with C<sub>1-8</sub>alkyl.

Claim 46 (Previously Presented) A compound according to claim 18 wherein R<sup>1</sup> is C<sub>6-14</sub> aryl substituted in the meta position with halogen and wherein R<sup>3</sup> is hydrogen and R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with C<sub>1-8</sub>alkyl.

Claim 47 (Previously Presented) A compound according to claim 19 wherein R<sup>1</sup> is C<sub>6-14</sub> aryl substituted in the meta position with halogen and wherein R<sup>3</sup> is hydrogen and R<sup>4</sup> is C<sub>6-14</sub>aryl substituted with C<sub>1-8</sub>alkyl.

Claim 48 (Cancelled)

Claim 49 (Previously Presented) A method of treatment of an HIV infection in a mammal comprising administering to said mammal an effective amount of a compound according to claim 23.

Claim 50 (Cancelled)

Claim 51 (Cancelled)

Claim 52 (Cancelled)

Claim 53 (Cancelled)

Claim 54 (Cancelled)

Claim 55 (Previously Presented) A pharmaceutical composition comprising an effective amount of a compound according to claim 23 together with a pharmaceutically acceptable carrier.

Claim 56 (Cancelled)

Claim 57 (Cancelled)

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**Claim 58 (Previously Presented)** A compound of formula (I) according to claim 20 wherein  $R^1$  is phenyl which is substituted in the meta position with one or more substituents selected from the group consisting of halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl, and  $-CN$ ;  $R^4$  is phenyl substituted with one or more substituents selected from the group consisting of halogen,  $C_{1-8}$ alkyl,  $-CN$ ,  $-NO_2$ ,  $-S(O)R^7$ ,  $-S(O)_2R^7$ ,  $-NS(O)_2R^7$ , wherein  $R^7$  is  $-NH_2$ ; and  $R^5$  is halogen; or a pharmaceutically acceptable salt thereof.

**Claim 59 (Previously Presented)** A compound of formula (I) according to claim 20 wherein  $R^1$  is phenyl which is substituted in the meta position with one or more substituents selected from the group consisting of halogen,  $C_{1-8}$ alkyl,  $CF_3$ ,  $-CN$ ;  $R^4$  is phenyl substituted with one or more substituents selected from the group consisting of  $C_{1-8}$ alkyl and  $S(O)_2NR^8R^9$ , wherein  $R^8$  and  $R^9$  are independently selected from the group consisting of hydrogen,  $C_{3-6}$ cycloalkyl,  $C_{1-8}$ alkyl optionally substituted with one or more substituents selected from the group consisting of oxo, heterocycle,  $CN$  and  $C_{6-14}$ aryl optionally substituted with  $C_{1-8}$ alkoxy,  $C_{1-8}$ alkylamino,  $C_{1-8}$ alkylheterocycle, heterocycle, heterocycle $C_{1-8}$ alkyl,  $C_{3-6}$ cycloalkyl $C_{1-8}$ alkyl, and  $C_{3-6}$ cycloalkyl.

**Claim 60 (Previously Presented)** A compound of formula (I) according to claim 20 wherein  $R^1$  is phenyl which is substituted in the meta position with one or more substituents selected from the group consisting of halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl,  $-CN$ ,  $C_{2-6}$ alkenyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl, and heterocycle and  $C_{2-6}$ alkynyl which may be optionally substituted with a substituent selected from the group consisting of hydroxy, halogen, aryl,  $C_{3-6}$ cycloalkyl, and heterocycle;  $R^4$  is phenyl substituted with one or more substituents selected from the group consisting of  $C_{1-8}$ alkyl,  $-S(O)_2R^7$ ,  $-S(O)_2NR^8R^9$ ,  $-OR^{11}$ , heterocycle $C_{2-6}$ alkenyl, and heterocycle which may be optionally substituted with oxo; and  $R^5$  is halogen; or a pharmaceutically acceptable salt thereof.

**Claim 61 (Previously Presented)** A compound of formula (III) according to claim 40 wherein  $R^1$  is phenyl which is substituted in the meta position with one or more substituents selected from the group consisting of halogen,  $-CF_3$ ,  $C_{1-8}$ alkyl,  $-CN$ ,  $-SR^6$ ,  $-S(O)_2R^6$ ;  $R^6$  is  $C_{1-8}$ alkyl, optionally substituted with halogen;  $R^7$  is  $C_{1-8}$ alkyl, optionally substituted with hydroxy;  $-NH_2$ ; or heterocycle;  $R^4$  is phenyl substituted with one or more substituents selected from the group consisting of hydroxy,  $-CF_3$ ,  $C_{1-8}$ alkyl, hydroxy $C_{1-8}$ alkyl,  $-CN$ ,  $-NO_2$ ,  $-C(O)NH_2$ ,  $-S(O)_2R^7$ ,  $-S(O)_2NR^8R^9$ ,  $-OR^{11}$ ,  $-C(O)NR^{11}$ ,  $-C(O)OR^{11}$ ,  $-NR^{11}$ ,  $-NC(O)R^{11}$ , heterocycle which may be optionally substituted with one or more substituents selected from the group consisting of oxo and  $C_{1-8}$ alkyl;  $R^8$  and  $R^9$  are the same or different and are selected from the group consisting of

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hydrogen, C<sub>1-8</sub>alkyl, C<sub>1-8</sub>alkylheterocycle, heterocycle, and C<sub>3-6</sub>cycloalkyl; R<sup>10</sup> is C<sub>1-8</sub>alkyl; R<sup>11</sup> is C<sub>1-8</sub>alkyl, optionally substituted with -S(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>; and R<sup>5</sup> is halogen or -NO<sub>2</sub>; or a pharmaceutically acceptable salt thereof.

Claim 62 (Previously Presented) A compound of formula (I) according to claim 60 wherein R<sup>1</sup> is phenyl which is substituted in the meta position with one or more substituents selected from the group consisting of halogen, -CF<sub>3</sub>, C<sub>1-8</sub>alkyl, and -CN; R<sup>4</sup> is phenyl substituted with one or more substituents selected from the group consisting of halogen, C<sub>1-8</sub>alkyl, -CN, -NO<sub>2</sub>, -S(O)R<sup>7</sup>, -S(O)<sub>2</sub>R<sup>7</sup>, -NS(O)<sub>2</sub>R<sup>7</sup>, wherein R<sup>7</sup> is -NH<sub>2</sub>; and R<sup>5</sup> is halogen; or a pharmaceutically acceptable salt thereof.

Claim 63 (Previously Presented) A method of treatment of an HIV infection in a mammal comprising administering to said mammal an effective amount of a compound according to claim 6.

Claim 64 (Cancelled)

Claim 65 (Previously Presented) A method of treatment of an HIV infection in a mammal comprising administering to said mammal an effective amount of a compound according to claim 18.

Claim 66 (Cancelled)

Claim 67 (Previously Presented) A pharmaceutical composition comprising an effective amount of a compound according to claim 6 together with a pharmaceutically acceptable carrier.

Claim 68 (Previously Presented) A pharmaceutical composition according to claim 67 in the form of a tablet or capsule.

Claim 69 (Previously Presented) A pharmaceutical composition according to claim 67 in the form of a liquid.

Claim 70 (Cancelled)

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**Claim 71 (Previously Presented)** A pharmaceutical composition comprising an effective amount of a compound according to claim 18 together with a pharmaceutically acceptable carrier.

**Claim 72 (Cancelled)**